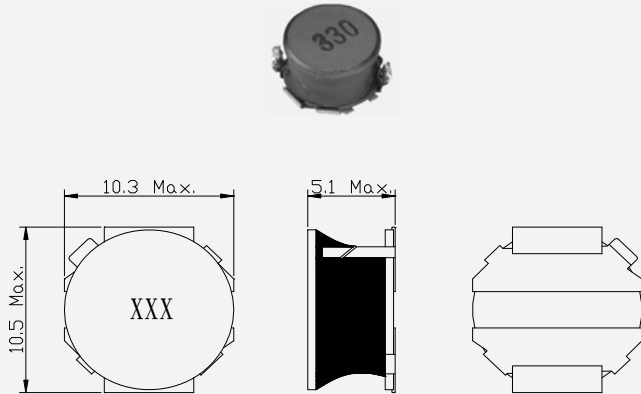


SMT Power Inductors

SQH105CS



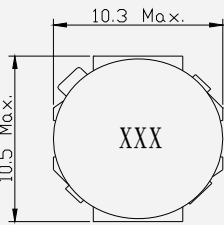
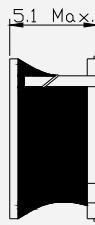
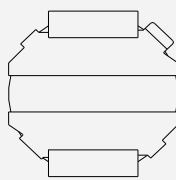
- Size : 10.5x10.3x5.1 (mm)
- Core material : Ferrite + Magnetics Epoxy
- Magnetically shielded
- RoHS-compatible
- Terminals : Lead-free tinned
- Solderability : Reflow soldering
- Marking : L value (μH, coded)
- Delivery mode : Tape & reel packing
- Packing unit : 800 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A) (Max.)	I _{rms} (A) (Max.)	DCR (mΩ) (Max.)	Ordering code
0.8	±30%=N	0.1	13.5	9.50	4.3	SQH105CS-0R8N-LF
1.5		0.1	10.5	8.30	5.8	SQH105CS-1R5N-LF
2.2		0.1	9.25	7.50	7.2	SQH105CS-2R2N-LF
3.3		0.1	7.80	6.50	10.4	SQH105CS-3R3N-LF
4.7		0.1	6.40	6.10	12.3	SQH105CS-4R7N-LF
6.8		0.1	5.40	5.40	18	SQH105CS-6R8N-LF
8.2		0.1	4.85	5.00	20	SQH105CS-8R2N-LF
10		0.1	4.45	4.50	26	SQH105CS-100N-LF
12		0.1	4.00	3.80	33	SQH105CS-120N-LF
15		0.1	3.60	3.40	41	SQH105CS-150N-LF
18		0.1	3.20	3.10	46	SQH105CS-180N-LF
22		0.1	2.95	2.90	61	SQH105CS-220N-LF
27		0.1	2.70	2.60	69	SQH105CS-270N-LF
33		0.1	2.40	2.50	84	SQH105CS-330N-LF
39		0.1	2.30	2.25	106	SQH105CS-390N-LF
47		0.1	2.00	2.00	130	SQH105CS-470N-LF
56		0.1	1.90	1.90	149	SQH105CS-560N-LF
68		0.1	1.65	1.60	201	SQH105CS-680N-LF
82		0.1	1.50	1.45	227	SQH105CS-820N-LF
100		0.1	1.35	1.35	253	SQH105CS-101N-LF
120		0.1	1.28	1.18	303	SQH105CS-121N-LF
150		0.1	1.12	1.10	370	SQH105CS-151N-LF
180		0.1	1.04	1.00	419	SQH105CS-181N-LF

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- I_{rms}: The actual current when temperature of coil becomes △40°C . (Ta=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SQH105CS

- Size : 10.5x10.3x5.1 (mm)
- Core material : Ferrite + Magnetics Epoxy
- Magnetically shielded
- RoHS-compatible

Terminals : Lead-free tinned
 Solderability : Reflow soldering
 Marking : L value (μH, coded)
 Delivery mode : Tape & reel packing
 Packing unit : 800 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A) (Max.)	I _{rms} (A) (Max.)	DCR (mΩ) (Max.)	Ordering code
220	±30%=N	0.1	0.94	0.94	500	SQH105CS-221N-LF
270		0.1	0.84	0.80	672	SQH105CS-271N-LF
330		0.1	0.75	0.73	812	SQH105CS-331N-LF
390		0.1	0.70	0.70	953	SQH105CS-391N-LF
470		0.1	0.60	0.54	1289	SQH105CS-471N-LF
560		0.1	0.54	0.52	1430	SQH105CS-561N-LF
680		0.1	0.52	0.51	1599	SQH105CS-681N-LF
820		0.1	0.50	0.48	1768	SQH105CS-821N-LF
1000		0.1	0.48	0.42	1989	SQH105CS-102N-LF

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- I_{rms}: The actual current when temperature of coil becomes Δ40°C . (Ta=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.